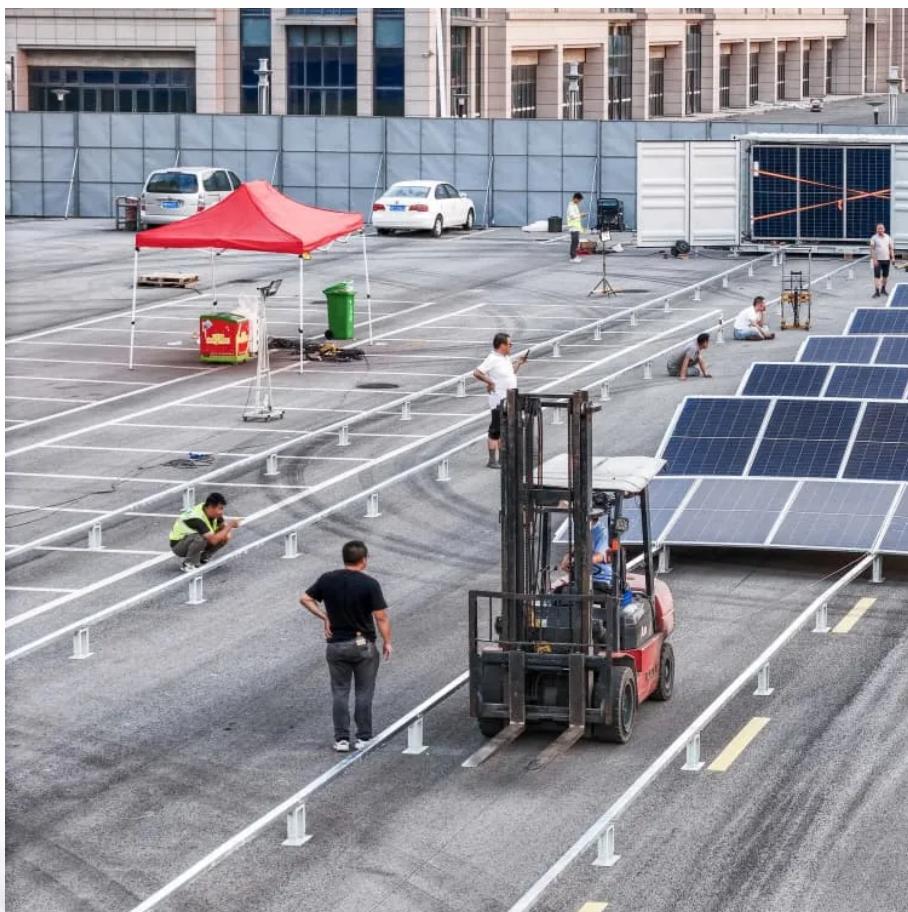




MODERNIZATION SOLAR

Can solar power generation with energy storage make money





Overview

Can solar energy be used for energy storage?

Solar power can be used to create new fuels that can be stored and later used to provide energy. Existing compressed air energy storage systems often use the released air as part of a natural gas power cycle to produce electricity.

Why is solar storage important?

Solar storage is important because it allows solar energy to contribute to the electricity supply even when the sun isn't shining. It also helps smooth out variations in solar energy flow on the grid, which are caused by changes in sunlight.

Should solar energy be combined with storage technologies?

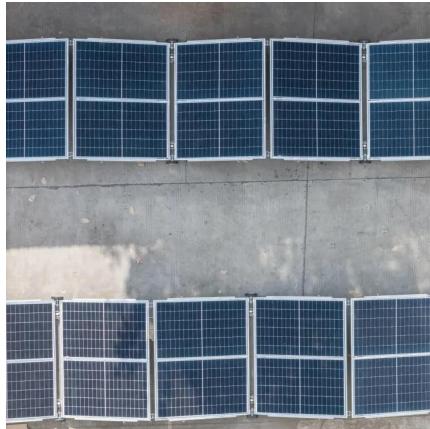
Coupling solar energy and storage technologies is one such case. The reason is that solar energy is not always produced at the time energy is needed most. Peak power usage often occurs on summer afternoons and evenings, when solar energy generation is falling.

How can energy storage be profitable?

Where a profitable application of energy storage requires saving of costs or deferral of investments, direct mechanisms, such as subsidies and rebates, will be effective. For applications dependent on price arbitrage, the existence and access to variable market prices are essential.



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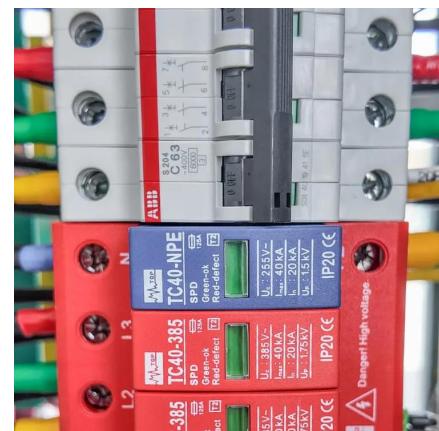


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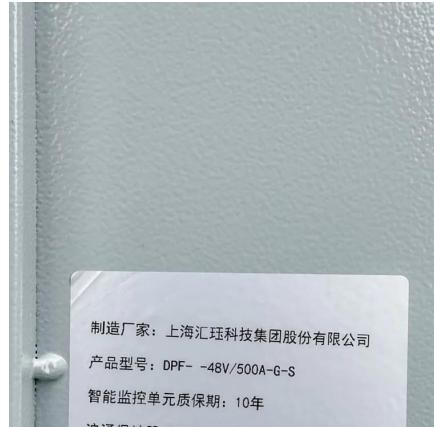
Fixed Price Contracts Variable Revenue Sources Hybrid Revenue Models Co-located solar and storage projects usually feature a mix of the fixed and variable revenue sources described



above, which continue to evolve as there are changes in regional energy regulations and markets. Fixed-price contracts allow a project to generate a relatively predictable and stable amount of revenue, subject to the project meeting certain criteria. See more on solarpowerworldonline.com

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